

FIG. 1

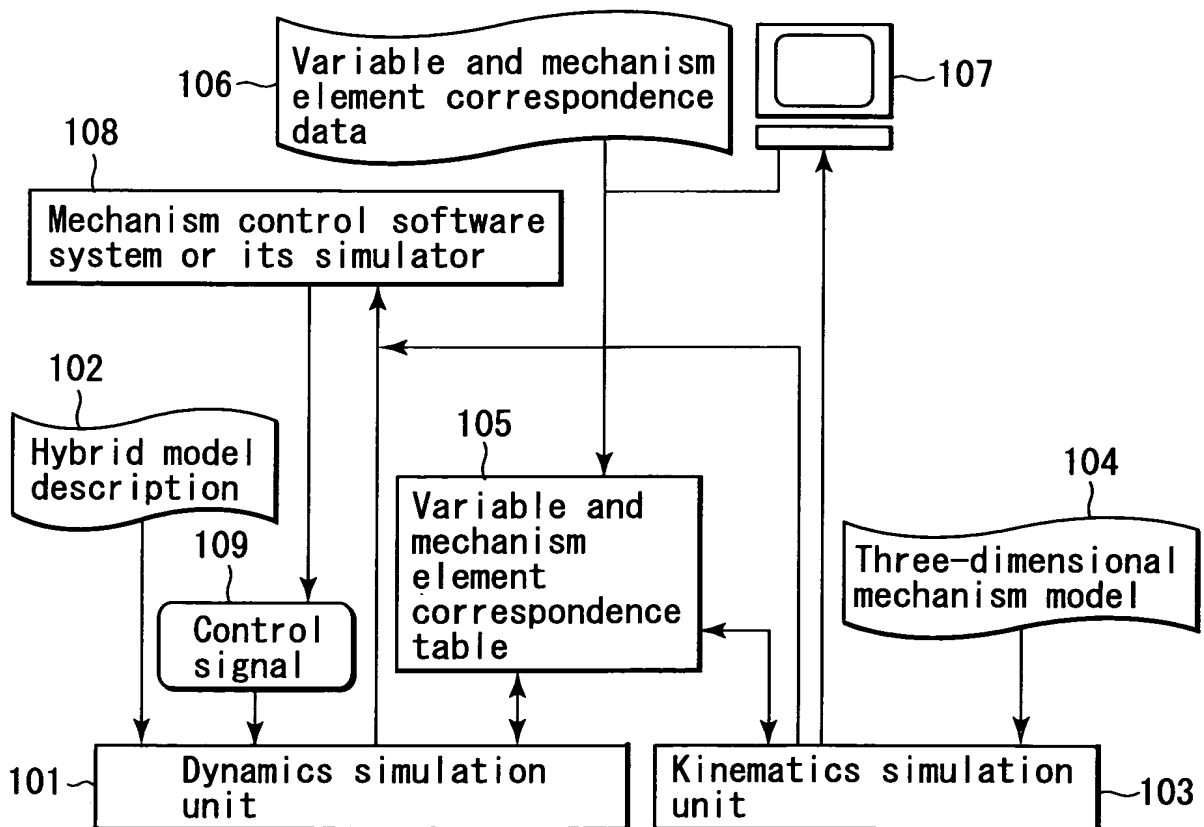


FIG. 2

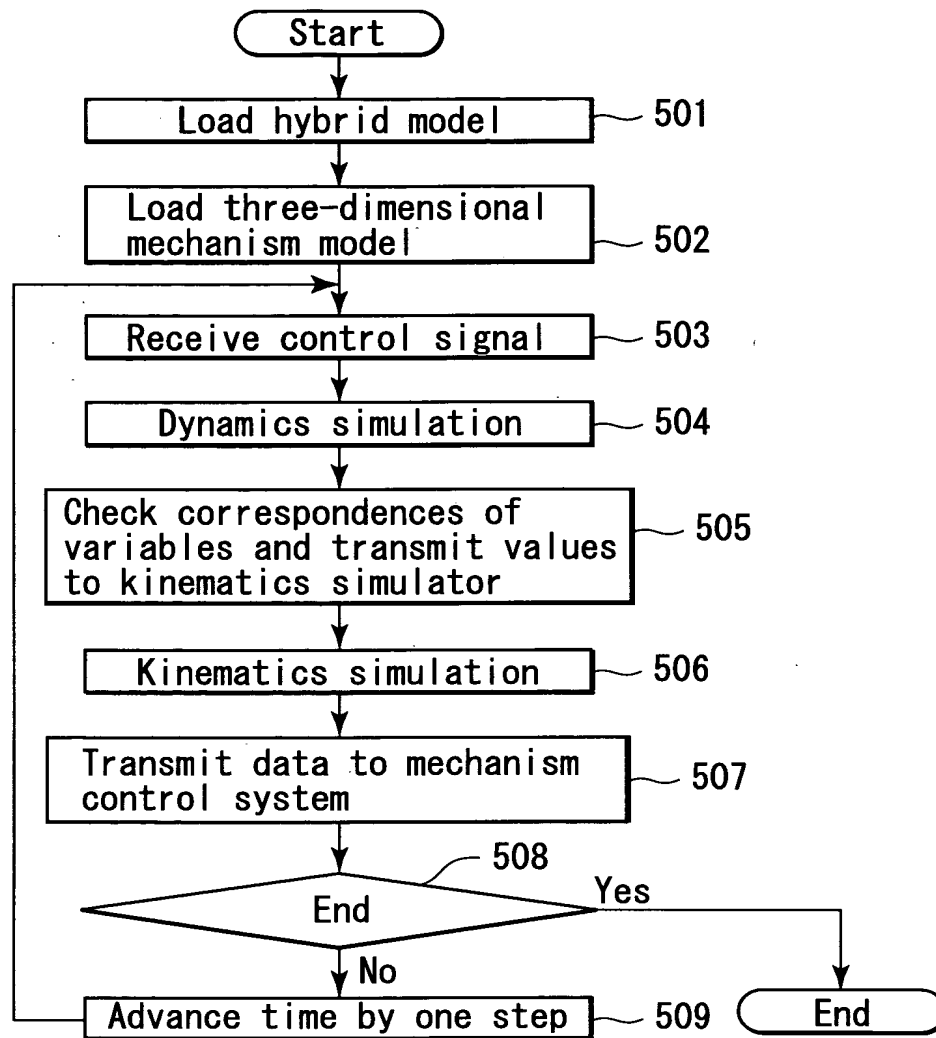


FIG. 3

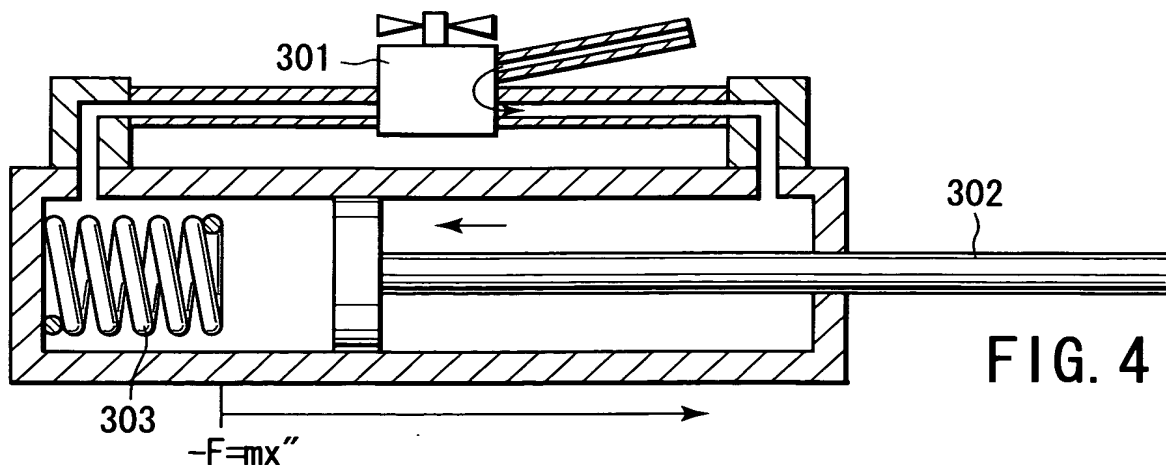


FIG. 4

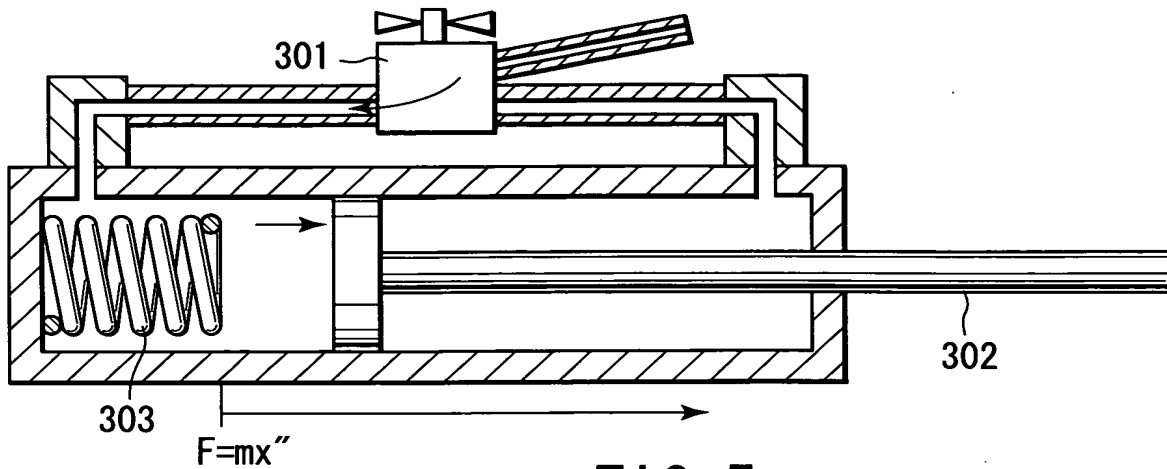


FIG. 5

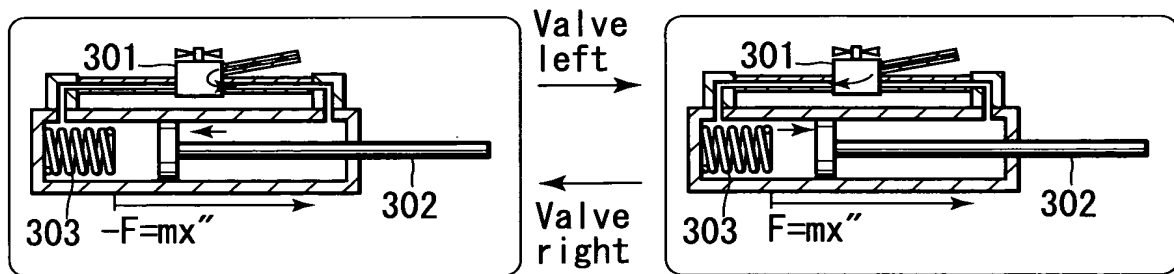


FIG. 6

```

L1...#define m 1
L2...#define f 100
L3...Right ev1
L4...wait 50 do Left ev2
L5...always if Left then do always F=m*x'' watching Right,
L6...always if Right then do always -F=m*x'' watching Left,
L7...sample(x),
L8...x=0, x'=0,

```

FIG. 7

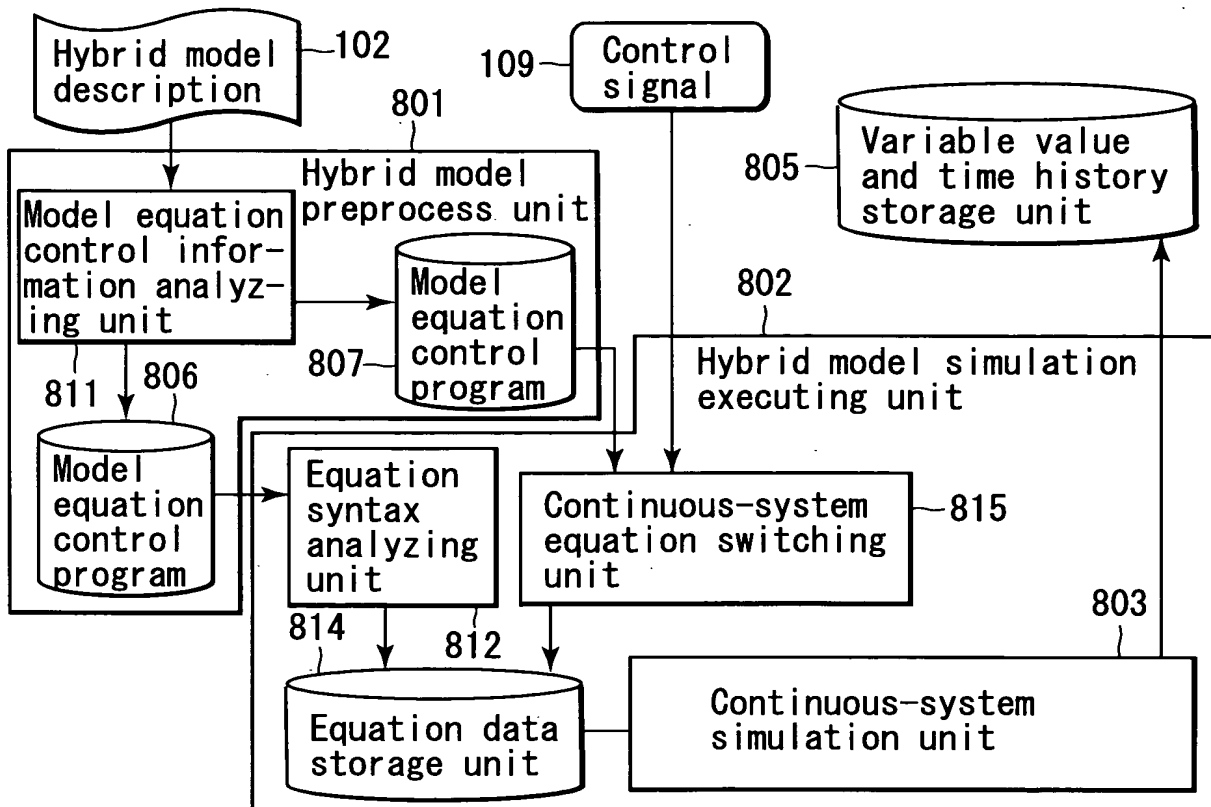


FIG. 8

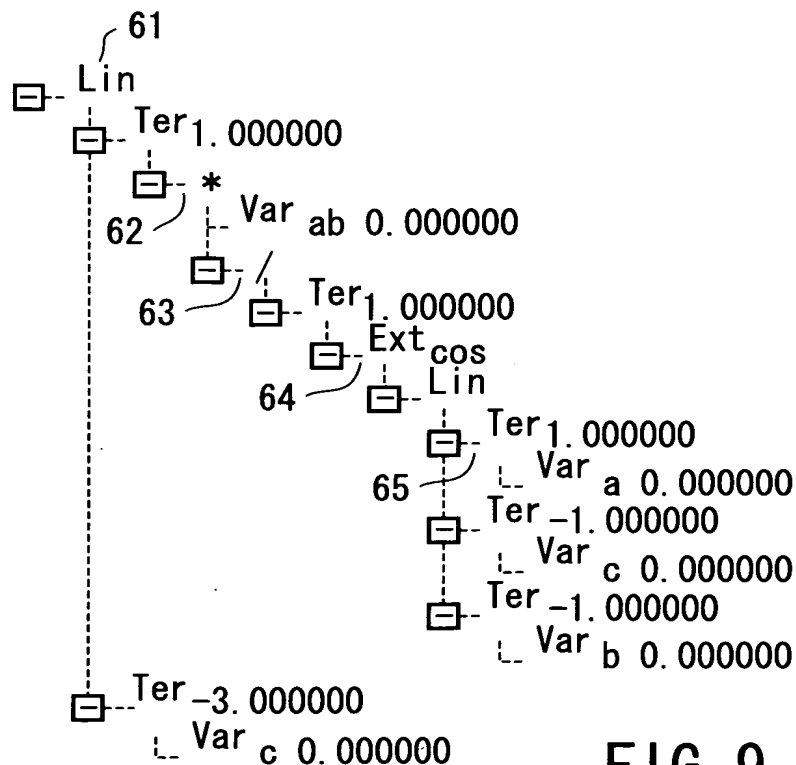


FIG. 9

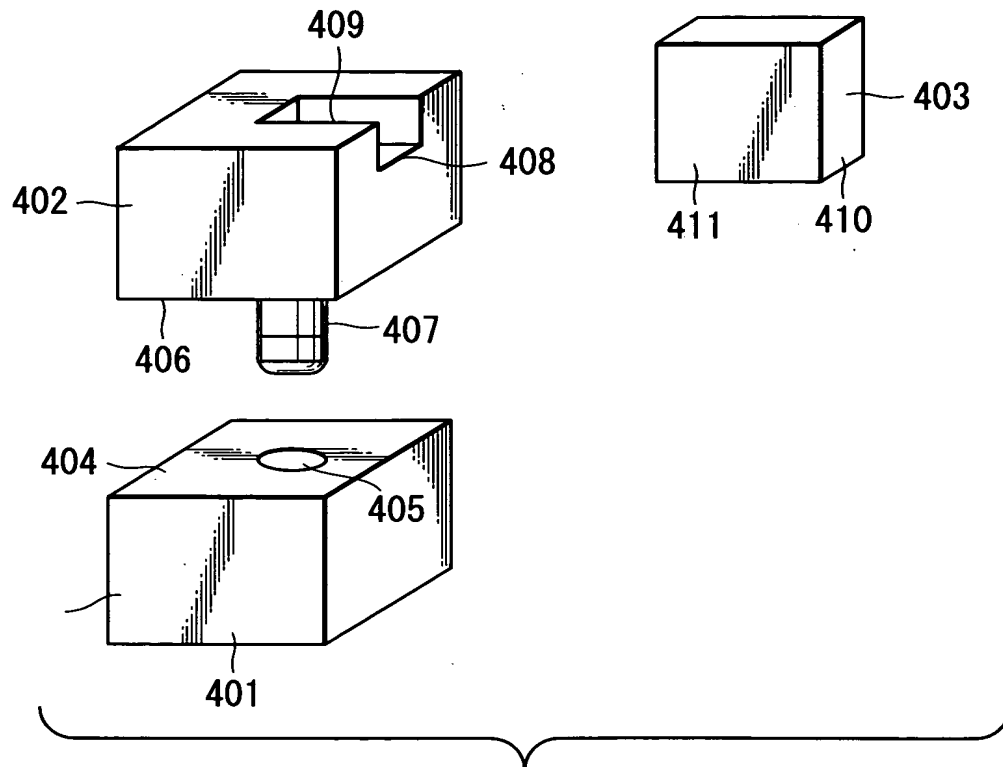


FIG. 10

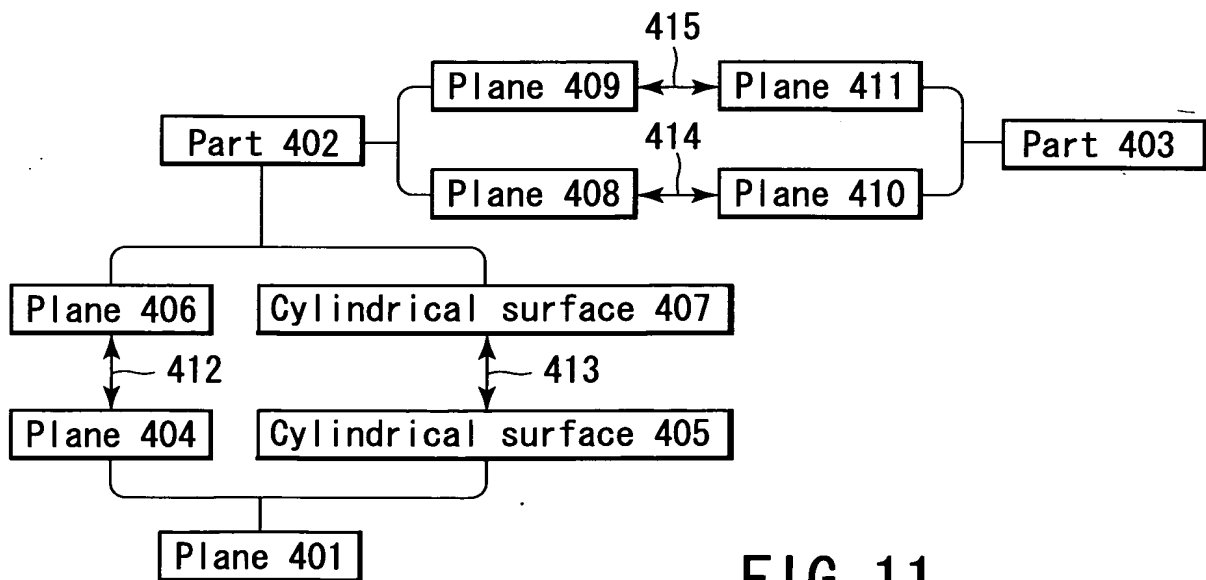


FIG. 11

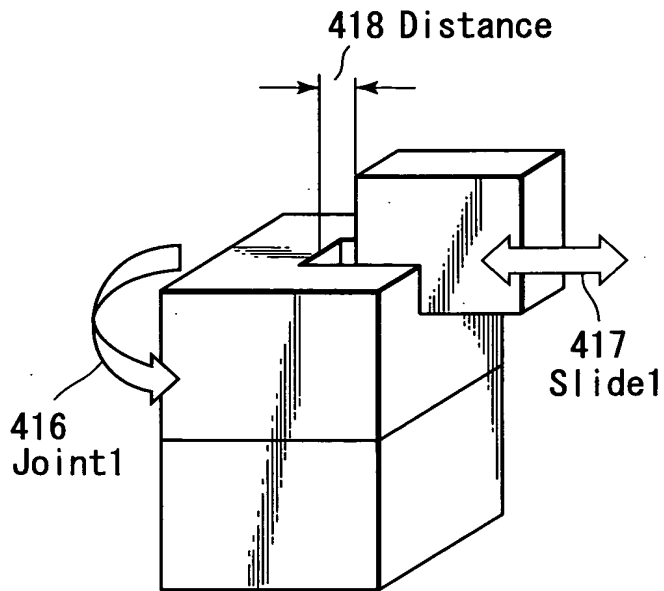


FIG. 12

Variable	Mechanical element name
x	Slide1
y	Joint1

FIG. 13

```

cont a,b;
cont sin(cont x);

a=0;
b=0;
always {
  b' =0.2;
  a' =sin(b);
}
sample(a);

```

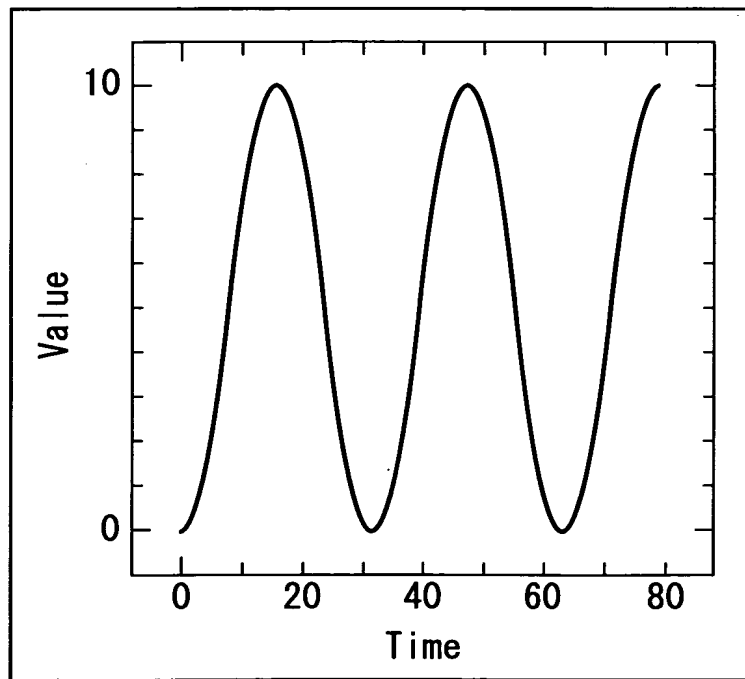


FIG. 14

```
class DCML_Class
{
    public cont m_a;
    DCML_Class(cont a) {
        m_a = a;
        m_a' = 0.01;
    }
    def {
        do {
            always m_a''+(1/4) * m_a' +0.03 * m_a = 1/2;
        } watching(m_a' = 0);

        when(m_a' = 0) always {m_a' = 0; }
    }
};
DCML_Class app1(1);
sample(app1.m_a);
```

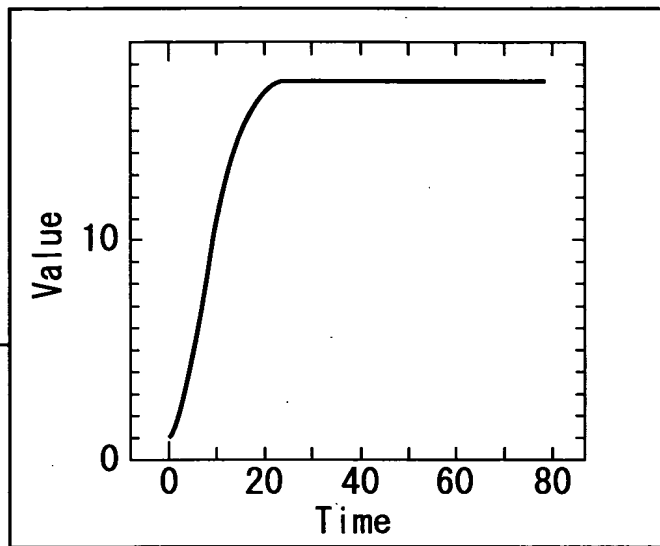


FIG. 15

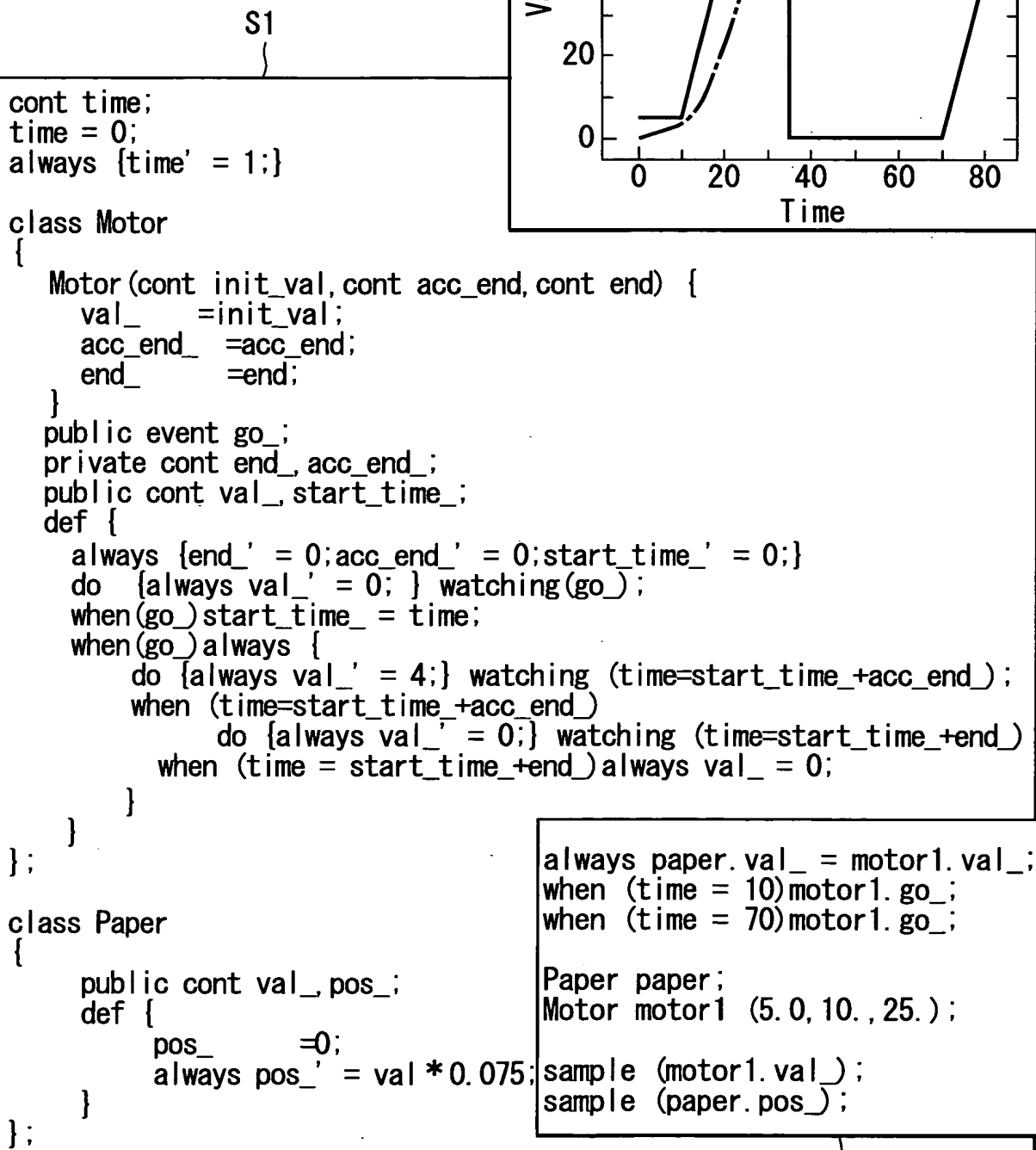


FIG. 16

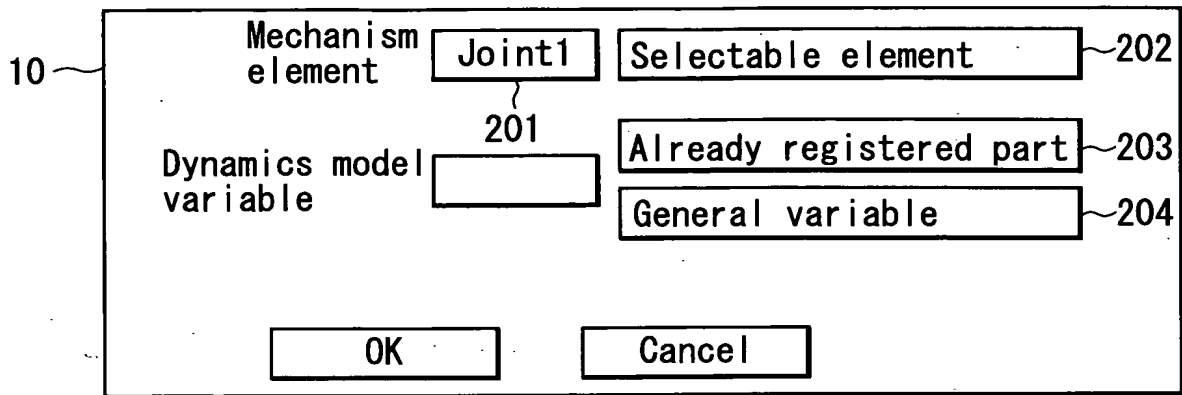


FIG. 17

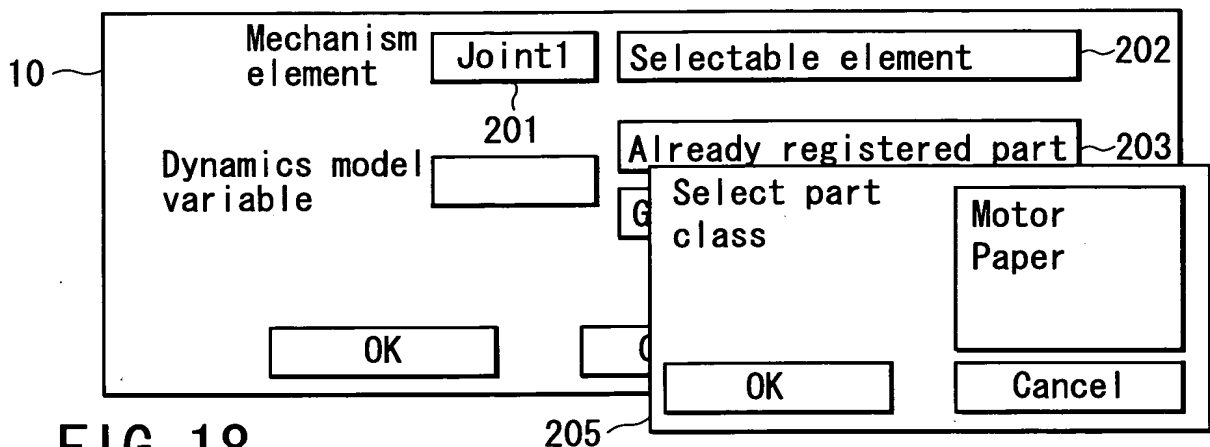


FIG. 18

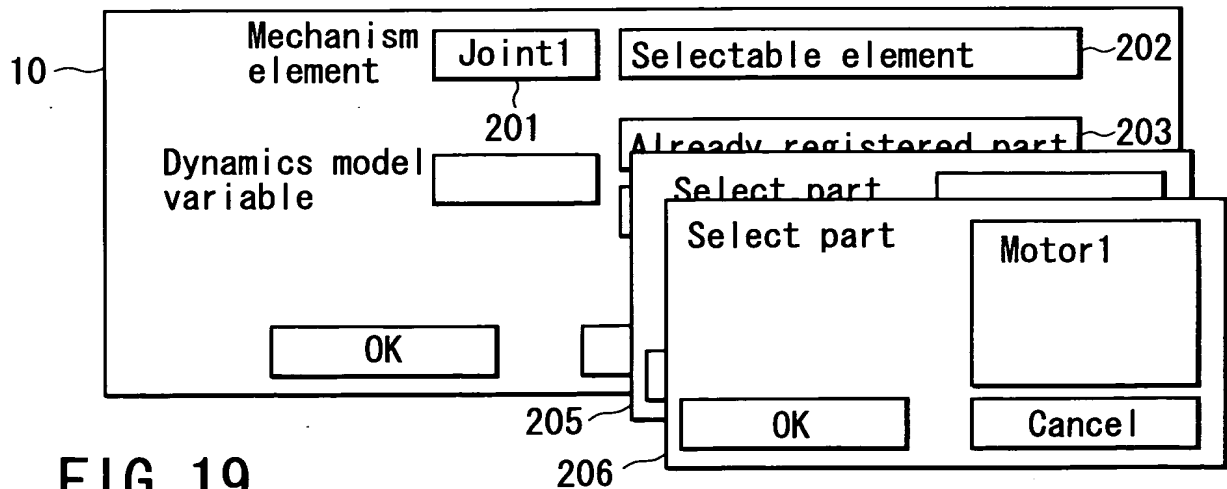


FIG. 19

